APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301690036-0

Kachanova, N. A. and Umed'yan, V. V.
PROGRAMMING FOR DIGITAL COMPUTORS, OF CALCULATIONS FOR ECONOMIC LOAD DISTRIBUTION IN A POWER SYSTEM. [1960] [10]p. 5 refs.
C. E. Trans. 1645; M2317.
Order from LC or SLA mi$1.80, ph$1.80 61-15460

Trans. of "Elektrichestvo (USSR) 1959, no. 9, p. 1-5.

151652

(Engineering--Electrical, TT, v. 5, no. 8)

61-15460

1. Electric power production--Costs
2. Electrical networks--Synthesis
3. Mathematical computers--Scheduling
I. Kachanova, N. A.
II. Umed'yan, V. V.
III. CE Trans-1645
IV. DSIR LLU M.2317
V. Central Electricity Generating Board (Gt. Brit.)

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Electric Technology USSR, 1960, Vol III.

RUSSIAN, per, Elektrichestvo, No 9, 1959, pp 13-20, 30-36, 72-73.

PP

Sci

Apr 62

Vol IV, No 6

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301690036-0

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301690036-0

[redacted]

Starting Modes of Single Phase Commutator Tra...
Horse-Power Motors, by N. V. Astakhov.

RUSSIAN, per, Elektrichestvo, No 9, 1959,
pp 46-50.

DSIR LLU RTS 1603

Sci - Engr

Oct 60

130,736

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301690036-0

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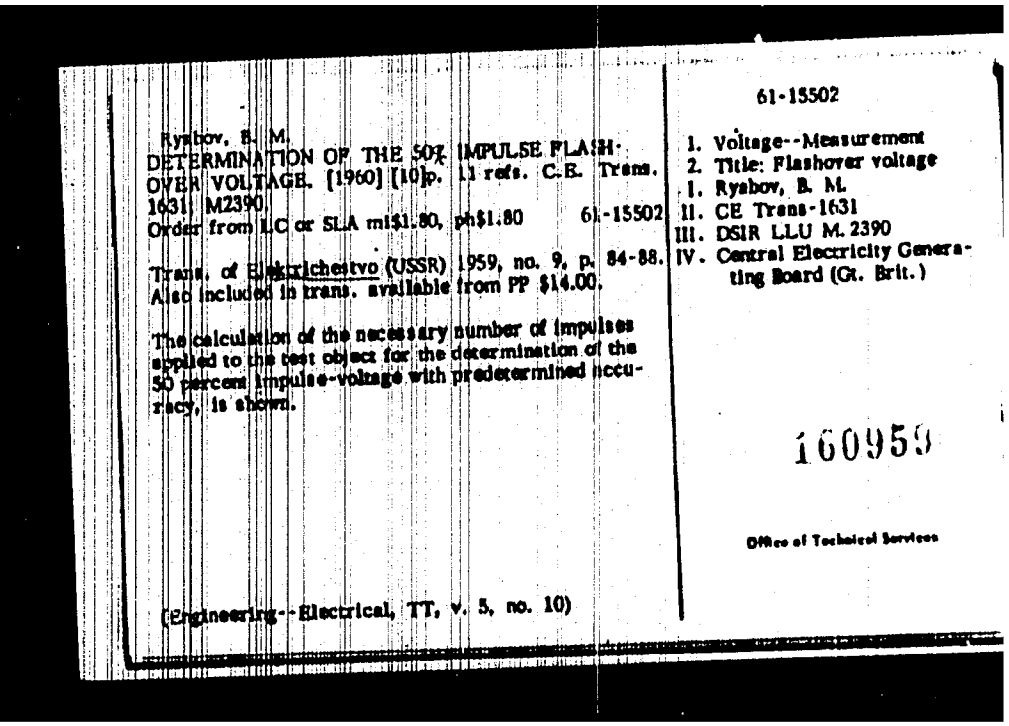

Ryabov, B. M.
DETERMINATION OF THE 50% IMPULSE FLASH-OVER VOLTAGE. [1960] [10]p. 11 refs. C.E. Trans. 1631 M2390
Order from LC or SLA mi$1.80, ph$1.80 61-15502

Trans. of Elektrichestvo (USSR) 1959, no. 9, p. 84-88. Also included in trans. available from PP $14.00.

The calculation of the necessary number of impulses applied to the test object for the determination of the 50 percent impulse-voltage with predetermined accuracy, is shown.

(Engineering--Electrical, TT, v. 5, no. 10)

61-15502

1. Voltage--Measurement
2. Title: Flashover voltage
I. Ryabov, B. M.
II. CE Trans-1631
III. DSIR LLU M. 2390
IV. Central Electricity Generating Board (Gt. Brit.)

160959

Office of Technical Services

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301690036-0

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ELECTRIC TECHNOLOGY U. S. S. R., 1960.
VOL. 4, P. 505-673. Nov 60. 1v.
Order from IT $14.00, $56.00/year

Trans. of Elektrichestvo (USSR) 1959, no. 10, p. 21-33, 43-45, 56-62; no. 11, p. 27-31, 41-43, 56-60, 81; no. 12, p. 11-13 and 47-61. Abstracts are included of the papers which are not translated in full and also abstracts from nos. 3-5.

Contents of articles by V. S. Bayayev, M. F. Karasev, G. M. Kasprzhak, I. P. Kopylov, L. V. Maziya, S. A. Mayorova, V. K. Naydis, M. N. Orokin, Ya. N. Shtrafun, N. S. Syunov, I. D. Urusov, and V. V. Yukhov.

(Engineering - Electrical, TT, v. 5, no. 3)

61-12187

1. Electrical engineering - USSR
2. Electrical engineering - Periodicals
I. Pergamon Press, Inc., New York

142,938

Office of Technical Services

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301690036-0

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301690036-0

Urusov, I. D. and Podrez, V. M.
MODEL TESTS FOR DETERMINING THE RIGIDITY AND VIBRATION RESISTANCE OF ELECTRICAL STATOR FRAMES (Fizicheskoye Modelirovaniye Zhestkosti i Vibroystoichivosti Korpusa Statora Elektromashiny). Feb 61 [10]p. 3 refs. RTS 1609. Order from LC or SLA ml$2.40, ph$3.30 61-15916

Trans. of Elektrichestvo (USSR) 1959, no. 10, p. 43-47. Also included in translation available from PP $14.00.

The rigidity and resistance to vibration of stator frames in large turbogenerators can be determined by means of model tests. This was confirmed by comparing the results obtained on models and on large scale steel mock-ups of sections of the full scale frames. The error does not exceed 5%. Considerable divergence exists between the calculated and experimental rigidity and natural frequency values of frames with apertured transverse annular walls, the experimental values being smaller. The physical nature of the stress distribution was (Engineering--Electrical, TT, v. 5, no. 10) (over)

61-15916

1. Turbine stators--Model test results
2. Turbine stators--Mechanical properties
I. Urusov, I. D.
II. Podrez, V. M.
III. RTS-1609
IV. Department of Scientific and Industrial Research (Gt. Brit.)

160943

Office of Technical Services

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301690036-0

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301690036-0

Electric [redacted] Drive for the Screw of the Atomic Ice-Breaker, by V. I. Bershadskii.

RUSSIAN, per, Elektrichestvo, No 10, 1959, pp 50-56.

MLL M. 3543

Sci - Engr
Jun 62

201, 045

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301690036-0

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301690036-0

Distortion of the Characteristics of Electric Motors Having a Wide Range of Speed, by I. I. Agerov.

RUSSIAN, per, Elektrichestvo, No 11, VI 1959, pp 52-56.

RAE 914

167,487

Sci - Engr

Sep 61

OTS TT-63-24310

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301690036-0

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301690036-0

Application of the Potential Blocking Method in an Electric-Shock Prevention System, by V. A. Bun'ko, et al.

RUSSIAN, per, Elektrichestvo, No 11, 1959, pp 76, 77.

Sci - Electron
Apr 60

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301690036-0

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301690036-0

Utilization Factor of Transformer Load Curves,
by L. M. Shnitser,

RUSSIAN, per, Elektrichestvo, No 11, 1959,
pp 88-90.

*AEC

Sci
Apr 60

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301690036-0

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301690036-0

Possible Lines of Development for Automatically Regulated Turbo-Generator Excitation Systems, by Ya. N. Shtraf'un.

RUSSIAN, per, Elektrichestvo, No 12, 1959, pp 10-13

NLL M. 2660

Sol - Engr

Nov 61

174,426

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301690036-0

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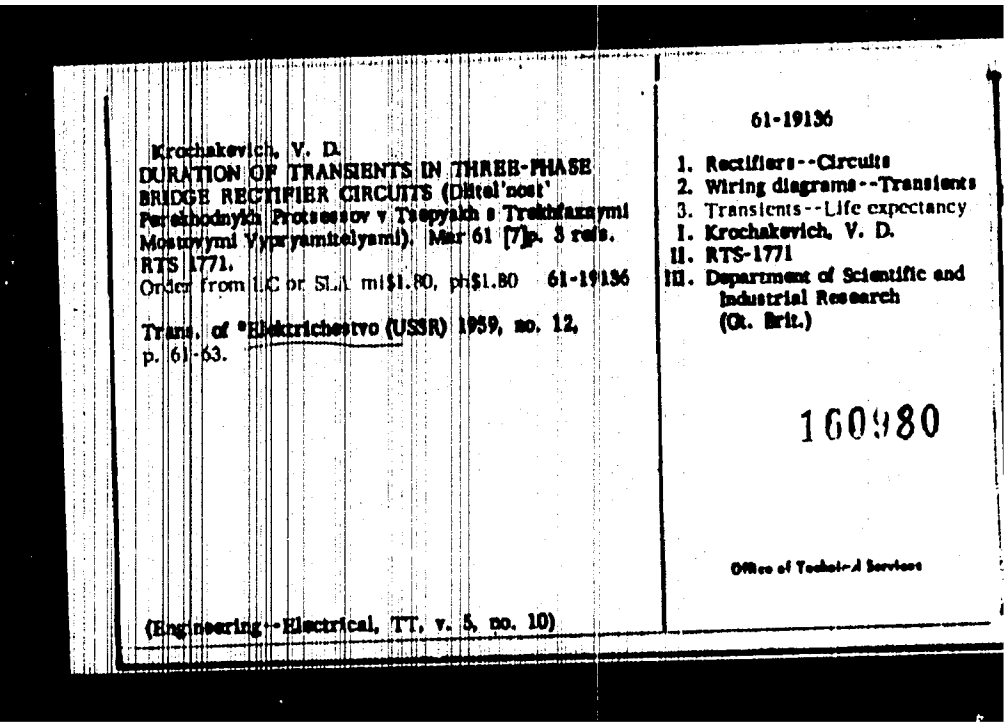

Krochakevich, V. D.
DURATION OF TRANSIENTS IN THREE-PHASE BRIDGE RECTIFIER CIRCUITS (Dlitel'nost' Perekhodnykh Protsessov v Tsepyakh s Trekhfaznymi Mostovymi Vypryamitelyami). Mar 61 [7]p. 3 refs. RTS 1771.
Order from LC or SLA mi$1.80, ph$1.80 61-19136

Trans. of "Elektrichestvo (USSR) 1959, no. 12, p. 61-63.

(Engineering--Electrical, TT, v. 5, no. 10)

61-19136

1. Rectifiers--Circuits
2. Wiring diagrams--Transients
3. Transients--Life expectancy
I. Krochakevich, V. D.
II. RTS-1771
III. Department of Scientific and Industrial Research (Gt. Brit.)

160980

Office of Technical Services

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301690036-0

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301690036-0

Restrictions on Surge Diverters With Reduced Breakdown Voltage During Internal Over Voltages, by D. V. Shisman.

RUSSIAN, per, Elektrichestvo, No 12, 1959, pp 64-69.

NLL M. 2662
61-27365
173,973

Sci - Electron

Nov 61

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301690036-0

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61-12908

ELECTRIC TECHNOLOGY U.S.S.R., 1960, VOL. 5, Dec 60, 169p.
Order from PP S 4.00, $56.00/year

Trans. of Elektrichestvo (USSR) 1960, no. 1, p. 1-5, 27-37, 43-47; no. 2, p. 9-24, 53-57; no. 3, p. 20-24, 30-33, 48-55, 73-74. Abstracts are included of the papers which are not translated in full.

Contents:
The tasks of the electrical engineering industry, by N. I. Borisenko
Optimum control systems for the flying shears drive in a rolling mill, by S. M. Domanitskiy
Transient processes in automatic step chronometric control of electric rolling stock, by B. P. Petrov
A new method of testing the rupturing capacity of high voltage circuit breakers, by A. I. Balakin
A digital programme control system for a large lathe, by I. L. Shapiro and others
Self-aligning system for automatic control of welding
(Engineering--Electrical. TT, v. 5, no. 9) (over)

1. Electrical engineering--USSR
2. Electrical engineering--Periodicals
I. Pergamon Press, Inc., New York

Office of Technical Services

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301690036-0

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(NY-2900/9)

The Tasks of the Electrical Engineering Industry, by N. I. Borisenko, 11 pp.

RUSSIAN, per, Elektrichestvo, No 1, 1960, pp 1-5.

JPRS 2969

USSR

Econ - Technological

Jul 60

121,485

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301690036-0

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301690036-0

Sysoev, M. L.
IMPULSE STRENGTH OF AIRFILLED SWITCHGEAR.
[1961] [11]p. 5 refs. C. E. Trans. 1701; [DSIR LLU]
M. 2825.
Order from OTS or SLA $1.60 61-23250

Trans. of *Elektrichestvo (USSR) 1960, no. 1, p. 63-68.

DESCRIPTORS: *Electric switches, Compressed air, Electric potential, Voltage.

See also 59-22496

(Engineering--Electrical, TT, v. 6, no. 8)

61-23250

I. Sysoev, M. L.
II. CE Trans-1701
III. DSIR LLU M. 2825
IV. Central Electricity Generating Board (Gt. Brit.)

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APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301690036-0

Re-Synchronization of Synchronous Generators, by M. G. Portnoy.

RUSSIAN, per, Elektrichestvo, No 1, 1960, pp 73-78.

MLL M. 3332

Sci - Electron

Apr 62

191,926

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301690036-0

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301690036-0

Modern Ideas on the Breakdown of Dielectrics,
by S. I. Skanavi.

RUSSIAN, per, Elektrichestvo, No 2, 1960,
pp 1-8.

WLL M. 2661

Sci. Electron

Rev 61

173.974

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301690036-0

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301690036-0

(DC-6571)

A Self-Adjusting System of Automatic Control of Electric Pipe-Welding Mills, by A. B. Chelyustkin, V. A. Ivanov, 26 pp.

RUSSIAN, per, Elektrichestvo, No 2, 1960, pp 13-18.

JPRS 12929

Sci - Electricity
Mar 62

187,559

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301690036-0

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301690036-0

A Physical Model of the Constant Current Electric Power Transmission System from Stalingrad GES-Donbass, by V. V. Voskresenskii and Kh. F. Bayakaev.
RUSSIAN, per. Elektrichestvo, No 2, 1960, pp 28-35.
NIL RTS 2884

Sci.-Engr
Nov 67

345,256

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301690036-0

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301690036-0

Synchronising Gear for a Synthetic Cirkcuit for Testing Circuit-Breakers for Breaking Capacity, by N. M. Chernishev, V. D. Lyashenko.

RUSSIAN, per, Elektrichestvo, No 2, 1960, pp 53-57.

CSIRO

Sci - Electricity
Jun 62

203,361

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301690036-0

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301690036-0

Equivalent Circuit and [redacted] Precise Circle Design For a Synchronous Reactance Motor, by O. B. Pevzner.

RUSSIAN, per, Elektrichestvo, No 2, 1960, pp 64-68.

MLL M. 3548

201,028

Sci - Engr
Jun 62

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301690036-0

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301690036-0

Statistical Method of Selecting the Voltage in Tests for Breaking Capacity of Circuit Breakers, by V. V. Kaplan, et al.

RUSSIAN, per, Elektrichestvo, No 2, 1960, pp 69-73.

CSIRO

Sci - Electricity
Jun 62

203,362

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301690036-0

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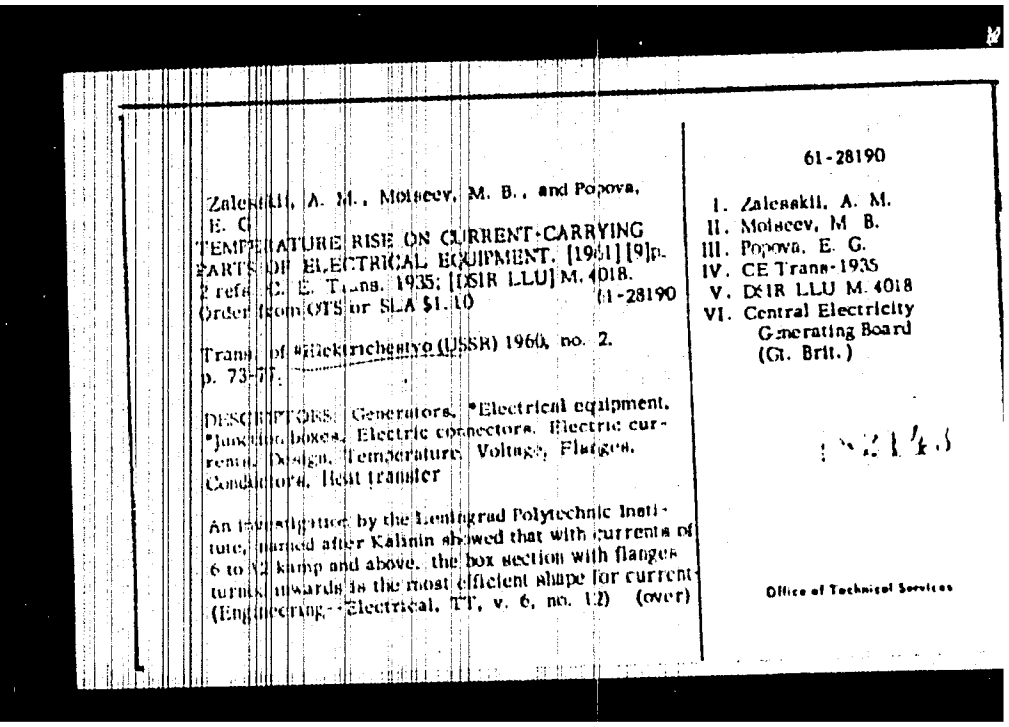

Zalesskii, A. M., Moiseev, M. B., and Popova, E. G.
TEMPERATURE RISE ON CURRENT-CARRYING PARTS OF ELECTRICAL EQUIPMENT. [1961] [9]p. 2 refs. CE Trans. 1935; [DSIR LLU] M. 4018. Order from OTS or SLA $1.10 61-28190

Trans. of *Elektrichestvo (USSR) 1960, no. 2. p. 73-77.

DESCRIPTORS: Generators, *Electrical equipment, *Junction boxes, Electric connectors, Electric current, Design, Temperature, Voltage, Flanges, Conductors, Heat transfer

An investigation by the Leningrad Polytechnic Institute, named after Kalinin showed that with currents of 6 to 12 kamp and above, the box section with flanges turned inwards is the most efficient shape for current (Engineering--Electrical, TT, v. 6, no. 12) (over)

61-28190

I. Zalesskii, A. M.
II. Moiseev, M. B.
III. Popova, E. G.
IV. CE Trans-1935
V. DSIR LLU M. 4018
VI. Central Electricity Generating Board (Gt. Brit.)

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(NY-2900/11)

Conference on the Utilization of Power Semiconductor Rectifiers in Industrial Enterprises and in Transport, by V. A. Maydis, 5 pp.

RUSSIAN, per, Elektrichestro, No 2, 1960, pp 89, 90.

JPRS 5308

USSR

Econ

Jul 61

158, 245

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301690036-0

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301690036-0

The Use of Analogue Computers for Studying Transients in Electrical Systems, by I. A. Gruzdev, M. I. Levinshtein.

RUSSIAN, per, Elektrichestvo, No 3, 1960, pp 1-13.

MLL M. 3014

Sci

Feb 62

186, 905

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301690036-0

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301690036-0

High-Speed Differential Relay Protection Using Semiconductors, by G. T. Grek.

RUSSIAN, per, Elektrichestvo, No 3, 1960, pp 14-20.

MLL M. 3474

Sci - Electron

194,022

Apr 62

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301690036-0

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301690036-0

Vilesov, D. V. and Ryabinin, I. A.
CHOIX DES PRINCIPAUX PARAMÈTRES DES CIRCUITS D'EXCITATION DES GÉNÉRATEURS SYNCHRONES À AUTOEXCITATION (How to Select the Basic Parameters of Excitation Systems for Self-excited Synchronous Generators). 18p. 5refs.
CNRS-X-542
Order from OTS, ETC or CNRS $0.80 TT-62-28111

Trans. in French of Elektrichestvo (USSR) 1960. no. 3, p. 20-24.
Another trans. is available in French from PP $14.00 in Electric Technology USSR, v. 5.

DESCRIPTORS: Generators, Circuits, Starting, Automatic. *Phase transformers, Theory.

(Engineering--Electrical, TT, v. 11, no. 7)

TT-62-28111

I. Vilesov, D. V.
II. Ryabinin, I. A.
III. CNRS-X-542
IV. Centre National de la Recherche Scientifique, Paris.

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Okhremenko, N. M.
ELECTROMAGNETIC PHENOMENA IN FLAT-TYPE INDUCTION PUMPS FOR MOLTEN METAL. Sep 62 [7]p. 12 refs.
Order from ARS in its journal, v. 32, no. 9, $3.00

Trans. of Elektrichestvo (USSR) 1960, no. 3, p. 48-54.

DESCRIPTORS: *Electromagnetic pumps, Inductance, Pumps, Induction motors, Liquid metals, *Liquid metal pumps, Design.

(Physics--Electricity, TT, v. 9, no. 1)

63-12217

I. Okhremenko, N. M.
II. American Rocket Society, New York
III. Primary Sources, New York

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APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301690036-0

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301690036-0

Free Vibrations of a Coil, by L. Genov.

RUSSIAN, per, Elektrichestvo, No 3, 1960, pp 55-59.

MLL M. 3545

Sci - Engr
Jun 62

201,027

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301690036-0

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301690036-0

Biber, L. A.
ERRORS IN GALVANOMETERS APPLIED AS INTEGRATORS. 19p 5refs
Order from OTS, SLA, or ETC $1.60 TT-64-16567

Trans. of Elektrichestvo (USSR) 1960, no. 3, p. 77-81.

(Engineering--Electrical, TT, v. 12, no. 3)

TT-64-16567

I. Biber, L. A.

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APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301690036-0

Method of Conducting Transient Stability Studies on Analogue Computers, by V. S. Tarasov, et al.

RUSSIAN, per, Elektrichestvo, No 4, 1960, pp 7-12.

MLL M. 3013

Sci

Feb 62

186, 906

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301690036-0

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301690036-0

Pistrak, A. I. and Balabuev, L. M.
ELEKTRONISCHE ERREGUNG FÜR MASCHINEN IM HAUPTANTRIEB VON UMKEHRWALZWERKEN (Electronic Energization for Machines in the Main Gear of Reversing Mills). 19p.
Order from TIB $2.95

Trans. in German of Elektrichestvo (USSR) 1960, no. 4, p. 18-20.

DESCRIPTORS: *Electronics, Machines, *Gears, Rolling mills.

(Engineering--Electrical, TT, v. 10, no. 8)

63-27532

I. Pistrak, A. I.
II. Balabuev, L. M.
III. Technische Informationsbibliothek, Hannover (West Germany)

Office of Technical Services

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301690036-0

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61-12909

ELECTRIC TECHNOLOGY U.S.S.R., 1960, VOL. 6, p. [17]-332. Jan 61, 1v.
Order from PP $4.00, $56.00/year

Trans. of Elektrichestvo (USSR) 1960, no. 4, p. 21-26, 47-51, 57-63, 70-72; no. 5, p. 13-15, 31-36, 60-66, 73-76; and no. 6, p. 14-16, 21-25, 29-38, 69-70. Abstracts are included of the papers which are not translated in full and also abstracts from no. 7.

Contents:
A reversing scheme for automatic speed control using electromagnetic powder clutches, by T. A. Glazenko
Automatic device for load distribution in power systems, by S. V. Usov and others
Investigation of the extinction processes in a free A. C. arc, by I. S. Tayev
Calculating transient processes in linear circuits by recurrence formulae, by N. S. Kochanov
An improved system of arc excitation in mercury arc (Engineering--Electrical, TT, v. 5, no. 9) (over)

1. Electrical engineering--USSR
2. Electrical engineering--Periodicals
I. Pergamon Press, Inc., New York

Office of Technical Services

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301690036-0

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301690036-0

Determination of Transient Processes in Alternating Current Machines by Means of Frequency Characteristics, by E. Ya. Kazarnitskiy, [illegible]

RUSSIAN, per, Elektrichestvo, No 4, 1950, pp 30-37.

[illegible]

Sci - Elec

Dec 51

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301690036-0

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301690036-0

[redacted]

Choice of Differential Equations of Transient Processes of a Synchronous Generator When Investigating Dynamic Stability Using Computers, by B. M. Kagan, E. L. Urman, 12 pp.

RUSSIAN, per, Elektrichestvo, No 4, 1960, pp 37-42. 90990/4

OTS 77-63-2431
RAE 957
181, 297

Sci - Electro

Jan 62

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301690036-0

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301690036-0

The Quenching of an Open Arc, by A. S. Maikopar,

RUSSIAN, per, Elektrichestvo, No 4, 1960,
pp 64-69.

CSIRO

Sci - Engr
Aug 62

207, 359

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301690036-0

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301690036-0

Aleksandrov, G. N.
THE INFLUENCE OF CORONA ON VOLTAGE SURGES UNDER TRANSIENT OPERATING CONDITIONS ON TRANSMISSION LINES. [1961] [15]p. 9 refs. C. E. Trans. 1777; [DSIR LLU] M. 3296.
Order from OTS or SLA $1.60 61-27609

Trans. of *Elektrichestvo (USSR) 1960, no. 5, p. 6-13.

DESCRIPTORS: *Electrical corona, Electrical effect, *Voltage, *Transmission lines, Transients.

Equations are derived that provide an evaluation of the drop in the surge on power lines due to the corona effect at the first rise in the voltage on the basis of data obtained by calculating transient processes without taking the corona effect into consideration. The equation can also be used for introducing a correction for
(Engineering--Electrical, TT, v. 6, no. 9) (over)

61-27609

I. Aleksandrov, G. N.
II. CE Trans-1777
III. DSIR LLU M. 3296
IV. Central Electricity Generating Board

185609

Office of Technical Services

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301690036-0

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301690036-0

Electromagnetic Pumps for Liquid Metals, by A. I. Vol'dek.

RUSSIAN, per, Elektrichestvo, No 5, 1960, pp 22-27.

MLL M. 6121

Sci - Electron

Nov 62

CEGB 3462

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301690036-0

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301690036-0

Electromagnetic Pumps for Liquid Metals, by A. I Vol'dek.

RUSSIAN, per, Elektrichestvo, No 5, 1960, pp 22-27.

NLL M. 6321

Sci - Electron

Nov 62

17,529

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301690036-0

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301690036-0

CEA-tr-R-1389 Uncl.

POMPES ELECTROMAGNETIQUES POUR LES METAUX LIQUIDES. (Electromagnetic Pumps for Liquid Metals). A. I. Vol'dek. Translated into French from Elektrichestvo, No. 5, 22-7(1960). 22p.

Engineering MC-38

C-38 NP NSA Dep.(mc); $2.60(fs), $0.86(mf) JCL or OTS

N-3

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301690036-0

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301690036-0

Electromagnetic Calculations of Direct Current Machines Taking Into Account the Cooling of the Windings, by M. A. Pamfilov.

RUSSIAN, per, Elektrichestvo, No 5, 1960, pp 50-53.

MIL M.3322

Sci - Electricity

Feb 62

186,590

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301690036-0

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301690036-0

The Influence of Power Factor Improvement on Load Stability, by V. A. Venikov, 7 pp.

RUSSIAN, per: Elektrichestvo, No 6, 1960, pp 6-10.

ASD-TH-Inf-Ser-18

Sci - Engr

Aug 63

341/314

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301690036-0

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301690036-0

Kostenko, M. P., Kazovskii, E. Ya., and Danilevich, Ya. B.
EXPERIMENTAL INVESTIGATION OF NEW METHODS OF DETERMINING THE PARAMETERS OF A.C. MACHINES. [1961] [7]p. 3 refs. C.E. Trans. 1874; [DSIR LLU] M.3297.
Order from OTS or SLA $1.10 61-27608

Trans. of *Elektrichestvo (USSR) 1960, no. 6, p. 14-16.
Also included in trans. available from PP $14.00.

DESCRIPTORS: *Electric machinery, Frequency, Test methods, Transients, Alternating current.

The new methods for the experimental investigation of machine parameters were quite simple and gave satisfactory results, especially in the calculation of transient processes of machines with massive elements, in which an essential factor is the current displacement. (Author)

61-27608

I. Kostenko, M. P.
II. Kazovskii, E. Ya.
III. Danilevich, Ya. B.
IV. CE Trans. 1874
V. DSIR LLU M.3297
VI. Central Electricity Generating Board (Gt. Brit.)

185608

(Engineering--Electrical, TT, v. 6, no. 9)
Office of Technical Services

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301690036-0

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301690036-0

INVESTIGATION OF THE IGNITION OF A SECTIONALISED HIGH-VOLTAGE VALVE, BY N. M. MASLENNIKOV.

RUSSIAN, PER, ELEKTRICHESTVO, NO 6, 1960, PP 25-29.

NLL M. 6013
OTS 62-25924
Received Trans. from Library of Congress by FTD

SCI - ELECTRICITY

OCT 62

214,718

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301690036-0

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301690036-0

On the Operational Reliability of Telemechanics Devices, by N. S. Emballin, 6 pp.

RUSSIAN, per Elektrichestvo, No 6, 1960, pp 91-93. 96/2013

FTD-TT-61-142

10 Dec 61

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301690036-0

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301690036-0

(NY-7030)

Tasks in Improving the Quality of Electrical Steels and Alloys, by A. M. Samarin, 8 pp.

RUSSIAN, per, Elektrichestvo, No 7, 1960, pp 1-4.

JPRS 13429

Sol. - Electricity

191,369

Apr 62

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301690036-0

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301690036-0

61-22441

ELECTRIC TECHNOLOGY U.S.S.R., 1960, VOL. 7, P. 333-484. Pet 61, Iv.
Order from: P: $14.00, $56.00/year

I. Pergamon Press, Inc., New York

Trans. of Elektrichestvo (USSR) 1960, no. 7, p. 11-25, 61-65; no. 8, p. 36-39, 51-57; no. 9, p. 23-29, 38-45, 49-52. Abstracts are included of those papers which are not translated in full.

DESCRIPTORS: *Electrical engineering, *Electrical equipment, Electromagnetic drives, Rolling mills, Grinders, Computers, Current regulators, Capacitors, Nonlinear systems, Power transformers, Turbines, Electric motors.

Contents:
New electrical drives for continuous cold rolling mills, by F. F. Olefir (Engineering--Electrical, TT, v. 10, no. 5) (over)

Office of Technical Services

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301690036-0

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S-32/61 (NY-5914).

Use of an Electronic Computer in the Study of a Gyropilot, by I. R. Freydzon,

RUSSIAN, per, Elektrichestvo, No 7, 1960, pp 20-25.

*JPRS

Sci - Eng

27 Feb 61

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301690036-0

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301690036-0

On the Theory of Electric Power Control of Ore-Treating Electric Furnaces, by V. S. Lerner.

RUSSIAN, per, Elektrichestvo, No 7, 1960, pp 25-30.

NLL M 8900

Sci - Engr
Feb 63

223,570

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301690036-0

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A Combined Method of Disconnecting Power Electric Circuits, by M. F. Shishkin, P. Ya. Danilin.

RUSSIAN, per, Elektrichestvo, Vol VII, No 7, 1960, pp 47-50.

MLL M.3301

Sci - Electricity

186,592

Feb 62

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301690036-0

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301690036-0

Belyakov, N. N. and Sherentsis, A. N.
DER SCHUTZ VON 35 - 500 kV -VERTEILUNGSANLAGEN GEGEN ATMOSPHÄRISCHE UEBERSPANNUNGEN UNTER MODERNEN GESICHTSPUNKTEN (The Protection of 35 - 500 kV Distribution Gears against Atmospheric Overtension under Modern Considerations). 15p.
Order from TIB $2.45

Trans. in German of Elektrichestvo (USSR) 1960, no. 7, p. 51-56.

DESCRIPTORS: Distributors, *Atmospheric electricity, Voltage, *Transmission gears.

(Engineering--Electrical, TT, v. 9, no. 11)

62-27253

I. Belyakov, N. N.
II. Sherentsis, A. N.
III. Technische Informationsbibliothek, Hannover (West Germany)

Office of Technical Services

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301690036-0

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301690036-0

Flashover Characteristics of Long Insulator Strings for Lines Operating at 500 KV and Above, by N. N. Tikhodeyev, A. N. Tushnov, 12 pp.

RUSSIAN, per, Elektrichestvo, No 7, 1960, pp 56-61.

SLA 60-18764

Sc:1

Apr 61

146,210

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301690036-0

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301690036-0

(SF-1038)

Sverdlovsk, USSR 500 KV Electric-Power Substation, by L. D. Gustov, M. I. Levin, A. M. Marinov, L. M. Myzin, A. P. Petrokov, 12 pp.

RUSSIAN, per, Elektrichestvo, No 7, 1960, pp 61-65.

JPRS 4060

USSR
Econ - Electric Power
Sep 60

127,080

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301690036-0

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301690036-0

Mechanism of Flashover Along Layers of Oil-Paper Insulation in a d-c System, by M. A. Greisukh, 20pp

RUSSIAN, per, Elektrichestvo, No 7, 1960, pp 77-82.

JPRS 13099
9*AEC AWRE Tr 39
(1 notified)

Sci - Electron
Oct 62
JFRS 13099 notified 10/29

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075 63-24064

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301690036-0

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301690036-0

(SF-1038)

Prospects of Utilizing Direct-Current Transmission in the USSR, by Ye. S. Groys, 10 pp.

RUSSIAN, per, Elektrichestvo, No 7, 1960, pp 86-89.

JPRS 4041

USSR

Econ - Electric power

Sep 60

125,705

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301690036-0

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(NY-2900/24)

Conference Concerning Transformer Manufacture, by A. G. Krayz, 14 pp.

RUSSIAN, per, Elektrichestvo, No 7, 1960, pp 85-93.

JPRS 7856

USSR

Econ

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142,695

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301690036-0

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301690036-0

(DC-4600/1)

Accounting for the Inter-System Effect in Designing Large Power Transmission Lines, by V. V. Bolotov, G. Ye. Burtseva, Ye. P. Zakharova, 15 pp.

RUSSIAN, per, Elektrichestvo, No 8, 1960, pp 16-22.

JPRS 6387

USSR
Econ
Jan 61

135,974

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301690036-0

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301690036-0

R-167-60 (DC-4401).

Principles of Development of the United Siberian Power System, by V. I. Weitz, 14 pp.

RUSSIAN, per, Elektrichestvo, No 8, 1960, pp 22-28.

A536 U54 6054
JPRS 6054

USSR
Econ - Electric Power
Oct 60

128,175

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301690036-0

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Induction Meters and Wattmeters by Thermistors, by A. M. Ilyukovich.

RUSSIAN, per, Elektrichestvo, No 8, 1960, pp 76-78.

MLL M.3326

Sci - Electricity

Feb 62

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301690036-0

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301690036-0

A METHOD FOR TAKING ACCOUNT OF POWER SYSTEM OPERATING CONDITIONS AT THE DESIGN STAGE, BY V. M. GORNSHTEIN.

RUSSIAN, PER, ELEKTRICHESTVO, NO 9, 1960, PP 4-11.

NLL M.4664
OTS 62-L 111

SCI + ENGR

JUN 62

199,113

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301690036-0

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301690036-0

Kazachkov, A. I., Klimov, V. A., and Polyak, G. I.
USE OF A CALCULATING BOARD IN COMPUTING AN ELECTRIC SYSTEM WITH DIRECT CURRENT TRANSMISSION, tr. by A. A. Osipovich. 15 Sep 61 [7]p. 4 refs.
Order from OTS or SLA $1.10 62-32771

Trans. of *Elektrichestvo (USSR) 1960, no. 9, p. 11-14.

DESCRIPTORS: *Power, *Transmission lines, Direct current, Synthesis, Electrical engineering.

(Engineering--Electrical, TT, v. 10, no. 3)

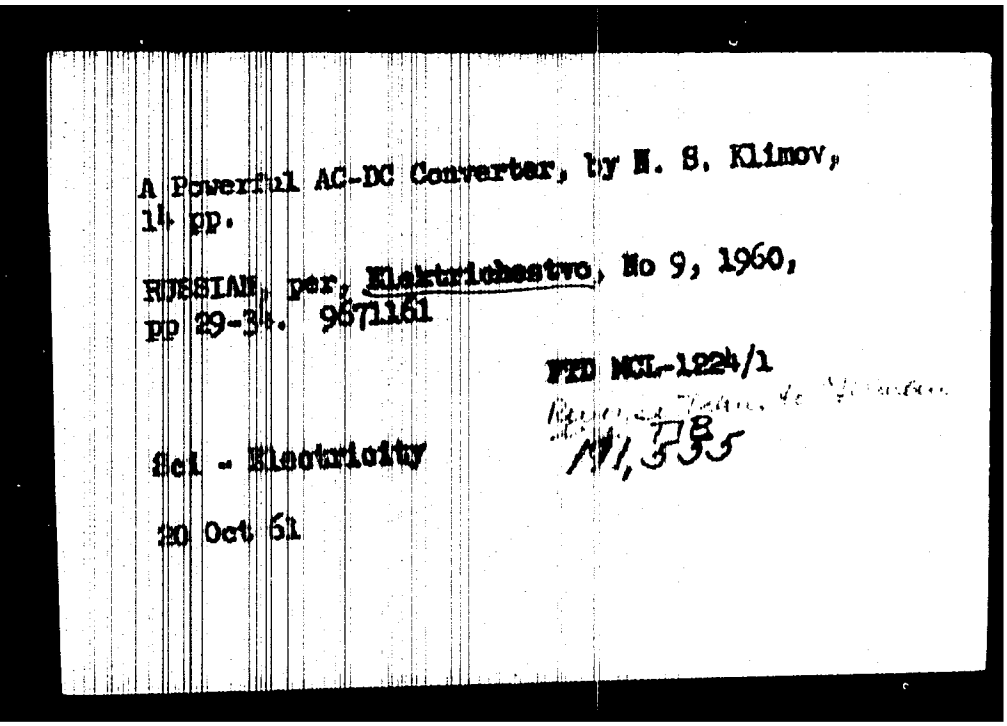
62-32771

I. Kazachkov, A. I.
II. Klimov, V. A.
III. Polyak, G. I.
IV. Bonneville Power Administration, Portland, Ore.

Office of Technical Services

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301690036-0

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301690036-0



A Powerful AC-DC Converter, by N. S. Klimov,
14 pp.

RUSSIAN, per, Elektrichestvo, No 9, 1960,
pp 29-34. 9671161

FTD MCL-1224/1

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Sci - Electricity

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APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301690036-0

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Ipatenko, N. R.
DIE DYNAMISCHE STABILITÄT VON SYNCHRONMOTOREN UND SYNCHRONISIERTEN ASYNCHRONMOTOREN MIT VERBUNDERREGUNG BEI STOSSWEISER BELASTUNG (The Dynamic Stability of Synchronous Motors and Synchronized Asynchronous Motors with Compound Excitation during Pulsating Load). 6p.
Order from TIB $1. 30

Trans. In German Elektrichestvo (USSR) 1960, no. 9, p. 59-62.

DESCRIPTORS: Dynamics, Stability, *Synchros, Induction motors, Excitation.

(Engineering--Electrical, TT, v. 10, no. 8)

63-27543

I. Ipatenko, N. R.
II. Technische Informationsbibliothek, Hannover (West Germany)

Office of Technical Services

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301690036-0

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The Nature of the Electrical Strength of 'Samica' Insulation, by K. A. Andryanov, et al.

RUSSIAN, per, Elektrichestvo, No 9, 1960, pp 73-80.

HLL M. 3338

Sci - Engr

Apr 62

191,914

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301690036-0

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301690036-0

61-22442

ELECTRIC TECHNOLOGY U.S.S.R., 1960, VOL. 8, P. 485-642. Mar 61. Iv.
Order from PP $14.00, $56.00/year

Trans. of Elektrichestvo (USSR) 1960, no. 10, p. 1-7, 35-41, 56-62; no. 11, p. 20-28, 76-86; no. 12, p. 9-15, 28-34, 58-69. Abstracts are included of the papers which are not translated in full.

DESCRIPTORS: *Electrical engineering, *Electrical equipment, *USSR

Contents:
Self-adjusting decentralized system automatically controlling power system frequency and real power flow, by A. G. Moskalev
Transients in magnetic amplifiers with an RL (active inductive) load in the rectified current circuit, by Khu-Tszia-lao and V. A. Shubenko
A new instrument for investigating surge phenomena in (Engineering--Electrical, TT, v. 6, no. 1) (over)

1. Pergamon Press, Inc., New York

Office of Technical Services

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301690036-0

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301690036-0

Transient Responses in Magnetic Amplifiers With an RL Load Supplied Through a Rectifier Circuit, by Hu Tsin-Yao, V. A. Shubenko, 6 pp.

RUSSIAN, per, Elektrichestvo, No 10, 1960, pp 35-41.

Internatl Phys Index
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Vol III, No 6

Sci - Electron

May 61

159,457

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301690036-0

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The Correction of Thermistor Temperature Characteristics, by G. K. I Nekhayev.

RUSSIAN, par, Elektrichestvo, No 10, 1960, pp 63-64.

NLL M.3464

Sci - Electricity
Apr 62

193,801

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301690036-0

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301690036-0

61-22442

ELECTRIC TECHNOLOGY U.S.S.R., 1960, VOL. 8, P. 485-642. Mar 61. lv.
Order from PP $14.00 $56.00/year

Trans. of Elektrichestvo (USSR) 1960, no. 10, p. 1-7, 35-41, 56-62; no. 11, p. 20-28, 76-86; no. 12, p. 9-15, 28-34, 58-69. Abstracts are included of the papers which are not translated in full.

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Transients in magnetic amplifiers with an RL (active inductive) load in the rectified current circuit, by Khu-Tszia-lao and V. A. Shubenko
A new instrument for investigating surge phenomena in (Engineering--Electrical, TT, v. 6, no. 1) (over)

1. Pergamon Press, Inc., New York

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(DC-6779)

Problems of Electric Power Regionalization on the Example of the Chinese People's Republic, by Hsu Shou-po, 27 pp.

RUSSIAN, per, Elektrichestvo, No 12, 1960, pp 15-20.

JPRS 13804

Asia - China
Econ
May 62

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APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301690036-0

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301690036-0

ON THE PROBLEM OF PROVIDING DISTANCE PROTECTION AGAINST ALL TYPES OF MULTIPHASE LINE FAULTS, BY S. B. LOSEV.

RUSSIAN, PER, ELEKTRICHESTVO, NO 12, 1960, PP 47-58.

NLL M. 3726

SCI - ENGR

OCT 62

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APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301690036-0

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Spark Prevention in Electrical Equipment Operating in Explosive Atmospheres, by V. S. Kravchenko, P. A. Fetisov.

RUSSIAN, per, Elektrichestvo, No 12, 1960, pp 48-52.

NLL M.3440

Sci - Electricity

Apr 62

193,798

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301690036-0

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301690036-0

Design Tensions of Steel-Aluminium Conductors, by G.G.Vekselman.
RUSSIAN, per, Elektrichestvo, 1961, [illegible]
NZOSIR, Ref No 761

Sec -
Aug 67

335,107

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301690036-0

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Brushless Synchronous Generators, by
L. M. Palmatin.

RUSSIAN, per, Elektrichestvo, Vol III, 1961,
pp 51-56.

R.A.E. No 974

181, 293

Sci. - Engr

[illegible] 62
Jan

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301690036-0

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CURRENT TRANSFORMERS WITH AN AIR GAP, BY I. M. SIROTA.

RUSSIAN, PER, ELEKTRICHESTVO, NO 1, 1961, PP 56-61.

NLL M. 3796

SCI - ELECTRICITY

OCT 62

214,722

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301690036-0

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301690036-0

Transients in Current Transformers, by
E. M. Pevzner.

RUSSIAN, per, Elektrichestvo, No 1, 1961,
pp 61-66.

NLL Ref: 9022.03 1964 (3365)
(loan copy)

Sci
Sep 64

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301690036-0

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301690036-0

The Intrinsic Safety of High-Frequency AC Circuits, by V. S. Kravchenko, Sun Kuo-chi.

RUSSIAN, per, Elektrichestvo, No 1, 1961, pp 77-88.

MLL M.3[illegible]55

Sci - Electricity
Apr 62

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APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301690036-0

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301690036-0

(DC-4600/6)

Unification of the USSR Electric Power Systems in Europe and Siberia, by V. I. Veyts, et al, 20 pp.

RUSSIAN, per, Elektrichestvo, No 2, 1961, pp 1-9.

JPRS 8650

USSR
Econ
Aug 61

163,335

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301690036-0

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301690036-0

Electric Breakdown of Microgaps in a Gas, by
V. Frolov. 12pp.

RUSSIAN, per, Elektrichestvo, No 2, 1961, pp 73-76.

NASA TT F-8361
075 63-16639

Brl
Apr 63
DB GOV'T ONLY

229,232

NLL Ref: [illegible]

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301690036-0

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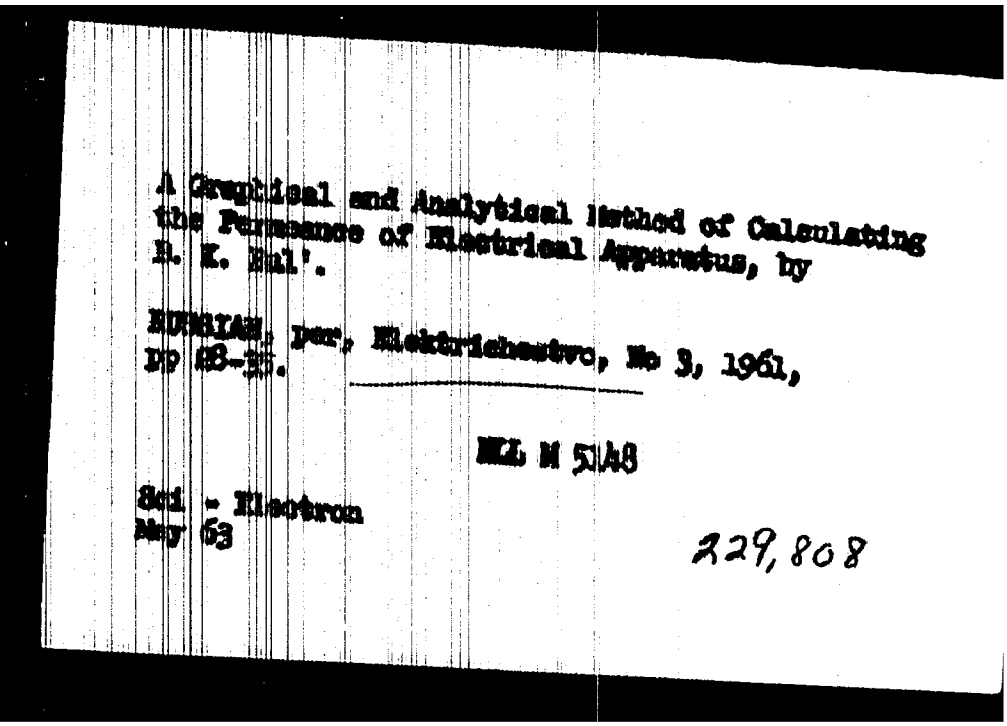

A Graphical and Analytical Method of Calculating the Permeance of Electrical Apparatus, by
I. K. Kul'.

KUL'MIAN, per, Elektrichestvo, No 3, 1961,
Pp 48-51.

MZL M 5/A8

Sci - Electron
May 63

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APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301690036-0

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301690036-0

Palastin, L. M.
BRUSHLESS SYNCHRONOUS GENERATORS (Beskhronnye Generatory Bez Shchetochnogo Kontakta) tr. by C. Kinner. (Oct 61 [11p] 7refs RAE Library Trans. no. 974; AD-267 698.
Order from OTS, S.L.A., or ETC $1.60 TT-63-24340

Trans. of Elektrichestvo (USSR) 1961, no. 3, p. 51-56. (Abstract available)

DESCRIPTORS: *Generators, *Permanent magnet generators, Rectifiers, Rotation, Electromagnetic properties, Magnets, Electric discharges, *Aircraft equipment.

The paper reviews the development of brushless synchronous generators both in the U. S. S. R. and elsewhere. In rotating-rectifier generators, the use of compound exciters, with combined electromagnetic

(over)

(Engineering--Electrical, TT, v. 11, no. 2)

TT-63-24340

I. Palastin, L. M.
II. RAE Trans-974
III. AD-267 698
IV. Royal Aircraft Establishment (Gt. Brit.)

Office of Technical Services

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301690036-0

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The Dielectric Properties and Stability of Transformer Oils, by Ch. M. Dzhuvarly.

RUSSIAN, per, Elektrichestvo, No 3, 1961, pp 84-86.

NLL M.3469

Sci - Electronics

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APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301690036-0

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301690036-0

Calculation on Digital Computers of Transients Processes on Synchronous Machines by Differential Equations With Recurring Coefficients, by M. B. M. Hagan.

RUSSIAN, per, Elektrichestvo, No 4, 1961, pp 43-48.

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(Loan)

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Sci -
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APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301690036-0

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AN ELECTROSTATIC GENERATOR, BY N. G. DROZDOV, A. I. KUKARIN, B. S. SAVASHKEVICH, 8 PP.

RUSSIAN, PER, ELEKTRICHESTVO, NO 4, 1961, PP 48-50. 9677447

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Prizeventsev, V. A.
ALUMINUM WINDING CONDUCTORS WITH ENAMEL AND FIBER INSULATION. Feb 62.
Order from MT 62 15s MT Trans-195

Trans. of Elektrichestvo (USSR) 1961, no. 4, p. 68-73.

DESCRIPTORS: *Conductors, *Wiring diagrams, *Aluminum, *Enamel coatings, Fibers, *Electric insulation.

(Engineering--Electrical, TT, v. 8, no. 2)

62-17035

I. Prizeventsev, V. A.
II. MT Trans-195
III. Tollemache, M. de O. (Gt. Brit.)

Office of Technical Services

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APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301690036-0

Choice of Safety Factor and Computation in Designing Electromagnetic Mechanisms of a Required Dependability, by Ya. A. Rips, 14 pp.

RUSSIAN, per. Elektrichestvo, No 4, 1961, pp 76-81. 9668564

FTD-TT-63-37

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Simulating a System With Many Generators on an Ana
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RUSSIAN, per, Elektrichestvo, No 5, 1961, pp 1-8.

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Vol I, No 3

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Kuchinskii, G. S. and Kaplan, D. A.
PERMISSIBLE FIELD POTENTIALS FOR PAPER-OIL INSULATION OF APPARATUS OPERATING IN D. C. TRANSMISSION LINES (Dopustimaye Napryazhennosti dlya Bumazhno-Maslyanoi Izolyatsii Apparatov, Rabotayushchikh v Elektroperedachakh Postoyannogo Toka). [1963] [19]p. (foreign text included) 3 refs. Order from CTS or SLA $1.60 63-14929

Trans. of Elektrichestvo (USSR) 1961, no. 5, p. 64-68.

DESCRIPTORS: *Electric insulation, Direct current, *Transmission lines, *Electric potential, Ionization, Electric equipment, *Paper, *Oils, Transformers.

The permissible operating voltage in the case of d.c. can be selected on the basis of the ionization characteristics. Thereby, the intensity of the ionization processes should not exceed the intensity of the initial (Engineering--Electrical, TT, v. 10, no. 7) (over)

63-14929

I. Kuchinskii, G. S.
II. Kaplan, D. A.

Office of Technical Services

APPROVED FOR RELEASE: Wednesday, August 14, 2002 CIA-RDP91-00772R000301690036-0

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POWER RELAY USING SEMICONDUCTORS, BY V. A. GRINSHTEIN.

RUSSIAN, PER, ELEKTRICHESTVO, NO 5, 1961, P 70.

NLL M. 6015

SCI - ELECTRICITY, ELECTRON

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Wave Deformation Due to Earth and Conductor Resistance in a Multi-Conductor Line, by M. V. Kostenko.

RUSSIAN, per. Elektrichestvo, No 6, 1961, pp 5-10.

NLL Ref. 9022.09 1963 (2,578)
(Loan)

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